Amendments to the Claims:

This listing of claims replaces all prior versions and listings of claims in the application:

Listing of Claims:

1. (Currently amended) A light diffuser comprising a polymeric film wherein the film comprises a plurality of layers having microvoids in which the average length of the microvoid in the x, y, or z direction or the frequency varies by at least 28% between at least two layers, and the variation is sufficient to increase the diffuse light transmission efficiency by at least 10% at 500nm compared to a single voided layer of the same thickness as the layers but with only one frequency or void size, wherein the diffuse[[r]] light transmission efficiency of the diffuser is greater than 80% at 500 nm.

2. (Previously presented) The light diffuser of Claim 1 wherein the polymeric film comprises exactly two voided layers.

3. (Original) The light diffuser of Claim 1 wherein the polymeric film contains at least two voided layers and at least one non-voided layer.

4. (Original) The light diffuser of Claim 3 wherein the voided and non-voided layers are integral.

5. (Original) The light diffuser of Claim 3 wherein the polymeric film the non-voided layer further comprises addenda.

6. (Original) The light diffuser of Claim 1 wherein the polymeric film contains at least two voided layers that are separated by a non-voided layer.

7. (Original) The light diffuser of Claim 1 wherein the said plurality of voided layers that vary in geometry or frequency improve the diffuse light transmission efficiency compared to a single voided layer of the same thickness and either void geometry or frequency by at least 10% at 500 nm.

8. (Previously presented) The light diffuser of Claim 1 wherein the microvoids have a substantially circular cross-section in a plane perpendicular to the direction of light travel.

9. (Original) The light diffuser of Claim 1 wherein the x/y/z size or frequency of the voids vary by between 28% and 300% between at least two layers.

10. (Original) The light diffuser of Claim 1 wherein the x/y/z size or frequency of the voids vary by at least 60% between at least two layers.

11. (Original) The light diffuser of Claim 1 wherein the voided layers are arranged in order of increasing size of voids in reference to the light passing through the film.

12. (Original) The light diffuser of Claim 1 wherein the voided layers are arranged in order of decreasing size of voids in reference to the light passing through the film.

13. (Original) The light diffuser of Claim 1 wherein the voided layers are arranged in order of increasing frequency of voids in reference to the light passing through the film.

14. (Original) The light diffuser of Claim 1 wherein the voided layers are arranged in order of decreasing frequency of voids in reference to the light passing through the film.

15. (Original) The light diffuser of Claim 1 wherein the film contains at least one polymeric skin layer.

16. (Original) The light diffuser of Claim 1 wherein the difference in refractive index between the thermoplastic polymeric material and the microvoids is greater than 0.2.

17. (Original) The light diffuser of Claim 1 wherein said microvoids are formed by organic microspheres.

18. (Original) The light diffuser of Claim 1 wherein the microvoids contain cross-linked polymer beads.

19. (Original) The light diffuser of Claim 1 wherein the microvoids contain a gas.

20. (Original) The light diffuser of Claim 1 wherein the elastic modulus of the light diffuser is greater than 500 MPa .

21. Canceled.

22. (Previously presented) The light diffuser of Claim 1 wherein said diffuse light transmission efficiency is greater than 87% at 500 nm.

23. (Original) The light diffuser of Claim 1 wherein said microvoids have a major axis diameter to minor axis diameter ratio of less than 2.0.

24. (Original) The light diffuser of Claim 1 wherein said microvoids have a major axis diameter to minor axis diameter ratio of between 1.0 and 1.6.

25. (Original) The light diffuser of Claim 1 wherein said thermoplastic layers contain greater than 4 index of refraction changes greater than 0.20 parallel to the direction of light travel.

26. (Currently amended) The light diffuser of Claim 1 wherein said microvoids have an average volume of between 8 and 42 cubic micrometers ~~over an area of 1 cm^2~~.

27. (Original) The light diffuser of Claim 1 wherein the said light diffuser has a thickness less than 250 micrometers.

28. (Original) The light diffuser of Claim 1 wherein said thermoplastic layer comprises polyolefin polymer.

29. (Original) The light diffuser of Claim 1 wherein said thermoplastic layer comprises polyester polymer.

30. (Original) The light diffuser of Claim 18 wherein said cross linked polymer beads have a mean particle size less than 2.0 micrometers.

31. (Original) The light diffuser of Claim 18 wherein said cross linked polymer beads have a mean particle size between 0.30 and 1.7 micrometers.

32. (Withdrawn) A back lighted imaging media comprising a light source and a polymeric film incorporating microvoids wherein the film comprises a plurality of layers having void geometry in which the x/y/z size or frequency varies by at least 28% between at least two layers.

33. (Withdrawn) An liquid crystal device comprising a light source and a polymeric film incorporating microvoids wherein the film comprises a plurality of layers having void geometry in which the x/y/z size or frequency varies by at least 28% between at least two layers.

34. (Withdrawn) A liquid crystal device component comprising a light source and a polymeric film incorporating microvoids wherein the film comprises a plurality of layers having void geometry in which the x/y/z size or frequency varies by at least 28% between at least two layers.

35. (Previously presented) The light diffuser of Claim 1 wherein the total light transmission is at least 65% at 500nm.